STANDARDS REVISING NATSPEC AND AUS-SPEC

New, superseded, withdrawn or amended standards since the issue of the October *Update* for the months of March, April, May, June, July and August 2017 relate to the following NATSPEC worksection *Templates* (standards relating to *Guidance* are not listed):

- A Amended.
- N New.
- **S** Supersedes the earlier edition.
- S¹ Supersedes a different standard number.
- S^2 Superseded by a new standard number.
- W Withdrawn.
- O Obsolescent.
- E Expired.

		A	N	S	S ¹	S ²	W	0	E
00 PLANNING AND DESIGN									
(AUS-SPEC)									
0021 Waterfront development	AS 4586:2013	•							
0043 Subsurface drainage (Design)	AS/NZS 1477:2017			•					
0061 Bridges and related structures	AS 5100.1:2017			•					
Ţ	AS 5100.2:2017			•					
	AS 5100.3:2017			•					
	AS 5100.5:2017			•					
	AS 5100.6:2017			•					
0071 Water supply – reticulation	AS/NZS 1477:2017			•					
(Design)	AS/NZS 4441:2017			•					
	AS 4765:2017			•					
0074 Stormwater drainage (Design)	AS 1289.4.4.1:2017			•					
0077 Sewerage systems – pump	AS 4883:2017			•					
stations									
01 GENERAL									
0171 General requirements	AS/NZS 2311:2017			•					
1	AS/NZS			•					
	1680.2.4:2017								
0136 General requirements	AS 1726:2017			•					
(Construction)									
0185 Timber products, finishes and	AS/NZS 1604.1:2012	•							
treatment	AS/NZS 1604.2:2012	•							
	AS/NZS 1604.3:2012	•							
	AS/NZS 1604.4:2012	•							
	AS/NZS 1604.5:2012	•							
02 SITE, URBAN AND OPEN									
SPACES									
0222 Earthwork	AS 1289.5.1.1:2017			•					
	AS 1289.5.2.1:2017			•					
	AS 1726:2017			•					
0223 Service trenching	AS 1289.5.1.1:2017			•					
0224 Stormwater – site	AS/NZS 1260:2017			•					
0251 Landscape – soils	AS 1726:2017			•					
0252 Landscape – natural grass	AS 4685.0:2017			•					
surfaces	AS 5181:2017		•						
0262 External sports and playground surfacing	AS 4685.0:2017			•					
0271 Pavement base and subbase	AS 1289.5.2.1:2017			•					
(1):/// Pavement hase and subhase									

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		Α	N	S	S ¹	S ²	W	0	E
0274 Concrete pavement	AS 4586:2013	•	11	В		В	• • •		
0276 Segmental pavers – sand bed	AS 1289.5.2.1:2017			•					
ozyo segmeniai payers sana sea	AS 4586:2013	•							
0277 Pavement ancillaries	AS/NZS 1906.3:2017			•					
0278 Granular surfaces	AS 1289.5.1.1:2017			•					
0279 Paving – on pedestals	AS 4586:2013	•							
0282 Pathways and cycleways	AS 1289.6.1.1:2014	•							
(Construction)	AS 4586:2013	•							
0293 Crib retaining walls	AS 1726:2017			•					
03 STRUCTURE									
0301 Piling	AS 5100.5:2017			•					
	AS 5100.6:2017			•					
0315 Concrete finishes	AS 4586:2013	•							
0316 Precast concrete	AS 5100.4:2017			•					
0317 Tilt-up concrete	AS 5100.4:2017			•					
0319 Auxiliary concrete works	AS 4586:2013	•							
0321 Monolitic stabilised earth walling	AS 1289.5.1.1:2017			•					
0345 Steel – protective paint coatings	AS 1318-1985						•		
0382 Light timber framing	AS 4200.2:2017			•					
04 ENCLOSURE									
0421 Roofing – combined	AS/NZS 1260:2017			•					
0423 Roofing – profiled sheet metal	AS/NZS 1260:2017			•					
0424 Roofing – seamed sheet metal	AS/NZS 1260:2017			•					
0425 Roofing – shingles and shakes	AS/NZS 1260:2017			•					
0426 Roofing – slate	AS/NZS 1260:2017			•					
0451 Windows and glazed doors	AS 3335.1:2003						•		
0471 Insulation and pliable	AS 4200.1:2017			•					
membranes	AS 4200.2:2017	-		•					
05 INTERIOR									
0511 Lining	AS/NZS 2589:2017			•					
0520 Partitions – combined	AS/NZS 2589:2017			•					
0522 Partitions – framed and lined	AS/NZS 2589:2017			•					
0531 Suspended ceilings - combined	AS 2946:1991						•		-
0532 Suspended ceilings	AS/NZS 2589:2017	1		•			•		
0522 Sugmanded exiling units	AS 2946:1991 AS/NZS 2589:2017	-		•			·		
0533 Suspended ceiling units	AS 2946:1991			•					
0581 Signs and display	AS 1742.5:2017			•			_		_
06 FINISH	115 1742.5.2017								
0612 Cementitious toppings	AS 4586:2013	•							
0612 Cementitious toppings 0613 Terrazzo in situ		<u> </u>							
	AS 4586:2013	•							
0631 Ceramic tiling	AS 4586:2013	•							
0651 Resilient finishes	AS 4586:2013	•							
0656 Floor sanding and finishing	AS 4518.1:1997						•		
	AS 4586:2013	•		L		L	L		L
0657 Resin based seamless flooring	AS 4586:2013	•							
0671 Painting	AS 1318-1985						•		
	AS/NZS 2311:2017			•					
0672 Textured and membrane coatings	AS/NZS 2311:2017			•					
07 MECHANICAL		\perp							
0702 Mechanical design and install	AS 4200.1:2017			•					
0721 Packaged air conditioning	AS/NZS 1477:2017			•					
0722 Room air conditioners	AS/NZS 1477:2017			•					
0724 Air handling plant – combined	AS/NZS 1477:2017			•					

STANDARDS REVISING NATSPEC AND AUS-SPEC

		Α	N	S	S ¹	S ²	W	0	E
0725 Air handling plant-built up	AS/NZS 1477:2017		_ ,	•	~				
0726 Air handling plant – minor	AS/NZS 1477:2017			•					
0727 Air handling plant - packaged	AS/NZS 1477:2017			•					
0731 Fans	AS 2729-1994						•		
0741 Ductwork	AS/NZS			•					
	60079.10.1:2017								
0744 Ductwork insulation	AS 4200.1:2017			•					
0746 Air grilles	AS 2946:1991						•		
0748 Chilled beams	AS 2946:1991						•		
0752 Mechanical piping and insulation	AS 4200.1:2017			•					
0751 Mechanical piping	AS/NZS 1477:2017			•					
	AS/NZS 4441:2017			•					
	AS 4809:2017			•					
0753 Water treatment	AS 3896:2017			•					
0754 Liquid fuels	AS 1940:2017			•					
0761 Refrigeration	AS 4809:2017			•					
0792 Mechanical maintenance	AS 3896:2017			•					
08 HYDRAULIC									
0802 Hydraulic design and install	AS 4809:2017			•					
0811 Sanitary fixtures	AS/NZS 1260:2017			•					
0821 Stormwater – buildings	AS/NZS 1260:2017			•					
0823 Cold and heated water	AS/NZS 1477:2017			•					
	AS 4200.1:2017			•					
	AS 4809:2017			•					
09 ELECTRICAL									
0902 Electrical design and install	AS/NZS			•					
oyo 2 Zicen teat acsign and mistain	1680.2.4:2017								
	AS/NZS 1680.3:2017			•					
	AS 2946:1991						•		
	AS/NZS 3112:2017			•					
	AS 7240.6:2017			•					
0911 Cable support and duct systems	AS/NZS 4676:2000						•		
0921 Low voltage power systems	AS 2946:1991						•		
0.1	AS/NZS 3112:2017		•						
0931 Power generation – engine	AS 1940:2017			•					
driven	AS/NZS 3010:2017				•				
0951 Lighting	AS/NZS			•					
0 0	1680.2.4:2017								
	AS/NZS 1680.3:2017			•					
	AS 2946:1991						•		
	AS/NZS 3112:2017			•					
0972 Fire detection and alarms	AS 7240.6:2017			•					
10 CONVEYING									
11 CONSTRUCTION -									
ROADWAYS									
	A C N 7 C 100 C 1 2017								
1101 Traffic management	AS/NZS 1906.1:2017			•					
1111 Clearing and grubbing	AS 1473.1:2000	1		_		 	•		
1112 Earthworks (Road reserve)	AS 1289.5.1.1:2017	+		•		 			
1112 Canbilings:	AS 1289.6.1.1:2014	•		_		 			
1113 Stabilisation	AS 1289.5.2.1:2017	1		•					
1141 Fl	AS 1289.6.1.1:2014	•		_					
1141 Flexible pavement base and	AS 1289.5.2.1:2017	1		•					
subbase	AS 1289.6.1.1:2014	•							
1145 Segmental paving	AS 4586:2013	•		_		-			
1151 Road openings and restoration	AS 1289.5.1.1:2017			•					<u></u>

STANDARDS REVISING NATSPEC AND AUS-SPEC

		Α	N	S	S ¹	S ²	W	0	E
	AS 1289.5.2.1:2017		- 1	•			• •		
1152 Road openings and restoration	AS 1289.5.1.1:2017			•					
(Utilities)									
1171 Subsurface drainage	AS 1289.5.1.1:2017			•					
, , ,	AS/NZS 1477:2017			•					
1191 Pavement markings	AS/NZS 1906.3:2017			•					
1192 Signposting	AS 1742.4:2017			•					
	AS/NZS 1906.1:2017			•					
	AS/NZS 2311:2017			•					
1193 Guide posts	AS/NZS 2311:2017			•					
1194 Non—rigid road safety barrier	AS/NZS 1906.1:2017			•					
system	AS/NZS 2311:2017			•					
1197 Street and public lighting	AS/NZS 4676:2000						•		
13. CONSTRUCTION –									
PUBLIC UTILITIES									
(AUS-SPEC)									
1341 Water supply reticulation	AS/NZS 1260:2017			•					
(Construction)	AS/NZS 1200.2017 AS/NZS 1477:2017			•					
(Constituction)	AS 4956:2017			•					
	AS/NZS 4441:2017			•					
	AS 4765:2017			•					
	AS 4809:2017			•					
1342 Water supply – pump	AS/NZS			•					
stations (Construction)	1680.2.4:2017								
1351 Stormwater drainage	AS 1289.4.4.1:2017			•					
(Construction)									
1352 Pipe drainage	AS/NZS 1477:2017			•					
1361 Sewerage systems –	AS 1289.4.4.1:2017			•					
reticulation	AS 4883:2017			•					
	AS/NZS 4441:2017			•					
	AS 4765:2017			•					
1362 Sewerage systems – pump	AS/NZS			•					
stations (Construction)	1680.2.4:2017								
1392 Trenchless conduit	AS 1726:2017			•					
installations									
15 MAINTENANCE									
AND OPERATIONS -									
BUILDINGS									
14 MAINTENANCE									
AND OPERATIONS –									
URBAN AND OPEN									
SPACES		<u> </u>							ــــــ
1403 Park And recreation areas				•					
management plan – Part 1	G + 4 XXD + 10 + 20 + 2								—
1474 Lighting maintenance	SAA HB 49.1:2013						•		—
1475 Playground equipment	AS 4685.0:2017			•					
maintenance		<u> </u>							├─
16 MAINTENANCE									
AND OPERATIONS –									
ROAD RESERVE									

STANDARDS REVISING

Australian standards superseded, withdrawn or amended in March, April, May, June, July and August 2017 that are referred to in NATSPEC and new standards which you may need to refer to are, as follows:

AS/NZS 1260:2017 PVC-U pipes and fittings for drain, waste and vent applications. (\$196.54)

This standard supersedes the 2009 edition. It specifies requirements for PVC-U pipes and fittings for sewer, drain, waste and vent applications above ground or below ground and is intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. Includes requirements for both plain and structured wall pipes and fittings. Referenced documents: 0224 Stormwater – site; 0421 Roofing – combined; 0423 Roofing – profiled sheet metal; 0424 Roofing – seamed sheet metal; 0425 Roofing – shingles and shakes; 0426 Roofing – slate; 0811 Sanitary fixtures; 0821 Stormwater – buildings; 1361 Sewerage systems – reticulation and pump stations (Construction).

AS 1289 Methods of testing soils for engineering purposes. Part 4.4.1:2017 Soil chemical tests - Determination of the electrical resistivity of a soil - Method for fine granular materials. (\$57.98)

This standard supersedes the 1997 edition. It sets out a procedure for the measurement of electrical resistivity of fine granular materials with a maximum particle size of 2.36 mm.

Referenced worksections: 0074 Stormwater drainage (Design); 1351 Stormwater drainage (Construction); 1361 Sewerage systems - reticulation (Construction).

Part 5.1.1:2017 Soil compaction and density tests - Determination of the dry density/moisture content relation of a soil using standard compactive effort. (\$80.73)

This standard supersedes the 2003. It sets out a method for the determination of the relationship between the moisture content and the dry density of a soil, when compacted, using standard compactive effort (596 kJ/m3).

Referenced documents: 0222 Earthwork; 0223 Service trenching; 0278 Granular surfaces; 0321 Monolithic stabilised earth walling; 1112 Earthworks (Road reserve); 1151 Road openings and restorations; 1152 Road openings and restoration (utilities); 1171 Subsurface drainage.

Part 5.2.1:2017 Soil compaction and density tests - Determination of the dry density/moisture content relation of a soil using modified compactive effort. (\$80.73)

This standard supersedes the 2003 edition. It sets out a method for the determination of the relationship between the moisture content and the dry density of a soil, when compacted, using modified compactive effort (2703 kJ/m3).

Referenced documents: 0222 Earthwork; 0271 Pavement base and subbase; 0276 Paving – sand bed; 1113 Stabilisation; 1141 Flexible pavement base and subbase; 1151 Road opening and restoration.

Part 6.1.1:2014 Soil strength and consolidation tests—Determination of the California Bearing Ratio of a soil—Standard laboratory method for a remoulded specimen.

Amendment 1:2017 (Free on www.infostore.saiglobal.com)

This amendment applies to the clauses 1, 2, 4, 5, 6, 9, 10, and Appendix B. Referenced documents: 0271 Pavement base and subbase; 0282 Pathways and cycleways (Construction); 1112 Earthworks (Road reserve); 1113 Stabilisation; 1141 Flexible pavement base and subbase.

AS 1318-1985 Use of colour for the marking of physical hazards and the identification of certain equipment in industry.

This standard has been withdrawn and not replaced. Referenced documents: 0345 Steel - protective paint coatings; 0671 Painting.

AS 1473 Woodprocessing machinery.

Part 1:2000 Primary timber milling machinery.

This standard has been withdrawn and not replaced. Referenced worksection: 1111 Clearing and grubbing.

AS/NZS 1477:2017 PVC pipes and fittings for pressure applications. (\$82.72)

This standard supersedes the 2006 edition. It specifies requirements for PVC pipes and fittings for pressure applications for use below ground or above ground, where they are not exposed to direct sunlight.

Referenced documents: 0043 Subsurface drainage (Design); 0071 Water supply -reticulation and pump stations (Design); 0721 Packaged air conditioning; 0722 Room air conditioners; 0724 Air handling plant — combined; 0725 Air handling plant-built up; 0726 Air handling plant — minor; 0727Air handling plant — packaged; 0751 Mechanical piping; 0823 Cold and heated water; 1171 Subsurface drainage; 1341 Water supply - reticulation (Construction); 1352 Pipe drainage; 1403 Parks and recreation areas management plan — Part 1.

AS/NZS 1596:2014 The storage and handling of LP Gas.

Amendment 1:2017. (Free on www.infostore.saiglobal.com))

This major amendment applies to the Preface, clauses 1.2.1, 1.2.2, 2.3, 4.3.1, 4.4.5, 4.4.11, 4.5.4, 5.5.5, 6.10.2, 6.12, 6.12.4, 7.5.2, 8.3.1, 8.5.6, 10.5.15, 11.2.2 and 11.12.6, Figures 1.1(A), 1.1(B), 1.1(C) (new), 1.1(D) (new), 1.1(E) (new) and 4.3.1 (new), Appendices A, D, F and Q, and Appendix R (new).

Referenced documents: 0013 Bushfire protection; 0802 Hydraulic design and install; 0824 Fuel gas.

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AS/NZS 1604 Specification for preservative treatment.

Part 1:2012 Sawn and round timber.

Amendment 1:2017. (Free on www.infostore.saiglobal.com))

This amendment applies to the Preface, clauses 1.2, 1.

4.12, 1.4.14, 1.4.17 (new), 1.4.18 (new), 1.5, 1.6, 1.7.1, 1.7.2, 1.7.3, 1.7.4, 1.7.5, 1.7.6, 2.2, 2.3, 3.2.1, 3.2.2, 3.3, 4.2, 4.3, 5.2, 5.3, 6.2, 6.3, 7.2, 7.3, 8.1, 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.3, 8.4, 8.5, Table H1.1 (new), Table H2, Table H2.1, Appendix C and Appendix H (new), and bibliography.

Part 2:2012 Reconstituted wood-based products.

Amendment 1:2017. (Free on www.infostore.saiglobal.com))

This amendment applies to the Preface, clauses 1.2, 1.4.12, 1.4.13, 1.4.16 (new), 1.4.17 (new), 1.5, 1.7, 1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.8.6, 2.1, 3.1, 3.2.1, 3.3, Table 2.1, table 2.2, figure 3.1, Appendix C (new) and Appendix D (new) and bibliography.

Part 3:2012 Plywood.

Amendment 1:2017. (Free on www.infostore.saiglobal.com)

This amendment applies to the Preface, clauses 1.2, 1.4.12, 1.4.13, 1.4.17 (new), 1.4.18 (new), 1.5, 1.7, 1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.9, 2.2.1, 2.2.2, 2.3.2, 3.2, 3.2.1, 3.2.2, 4.2, 5.2, 6.2, 7.2, 8.1, 8.2.1, 8.3, Table 1.1, Figure 8.1, Appendix C (new) and Appendix D (new) and bibliography.

Part 4:2014 Laminated veneer lumber (LVL).

Amendment 1:2017. (Free on www.infostore.saiglobal.com)

This amendment applies to the Preface, clauses 1.2, 1.4.11, 1.4.12, 1.4.16 (new), 1.4.17 (new), 1.5, 1.7, 1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.8.6, 1.9, 2.2.1, 2.2.2, 2.3.2, 3.2, 3.2.1, 3.2.2, 4.2, 5.2, 6.2, 7.1, 7.2.1, 7.3, Table 1.1, Figure 7.1, Appendix C (new) and Appendix D (new) and bibliography.

Part 5:2012 Glued laminated timber products.

Amendment 1:2017. (Free on www.infostore.saiglobal.com)

This amendment applies to the Preface, clauses 1.2, 1.4.11, 1.4.12, 1.4.15 (new), 1.4.16 (new), 1.5, 1.7, 1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.8.6, 2.1, 2.2, 3.1, 3.2, 3.2.1, 4.1, 4.2, 4.2.1, 5.1, 5.2, 6.1, 6.2.1, 6.3, table 1.1, figure 6.1, Appendix C (new) and Appendix D (new) and bibliography. Referenced documents: 0185 Timber products, finishes and treatment.

AS/NZS 1680 Interior and workplace lighting.

Part 2.4:2017 Industrial tasks and processes.

This standard supersedes the 1997 edition. It sets out recommendations for the lighting of industrial tasks and processes that are carried out within buildings.

Referenced documents: 0171 General requirements; 0902 Electrical design and install; 0951 Lighting; 1342 Water supply - pump stations (Construction); 1362 Sewerage systems - pump stations (Construction).

Part 3:2017 Measurement, calculation and presentation of photometric data. (\$186.62)

This standard supersedes AS 1680.3:1991. It specifies requirements for laboratory conditions, procedures and instrumentation for making photometric measurements on luminaires for interior and workplace lighting. It also specifies requirements for the derivation of certain photometric data needed for interior lighting calculations.

Referenced documents: 0902 Electrical design and install; 0951 Lighting.

Part 4:2017 Maintenance of electric lighting systems. (\$109.36)

This standard supersedes AS/NZS 1680.4:2001. It describes the causes of light loss in indoor electric lighting systems, from environmental, operating

and age-related conditions, and recommends procedures for estimating maintenance factors for use in design calculations.

Relevant document: 0991 Electrical maintenance.

AS 1726:2017 Geotechnical site investigations. (\$196.54)

This standard supersedes the 1993 edition. It establishes the requirements for the execution of effective geotechnical site investigations and provides a standardized system for the description and classification of soils and rocks, which is largely normative. It addresses spatial and physical characteristics of soil, rock and groundwater, but does not cover the chemical, biological or other environmental aspects of the investigation of contaminated ground. Referenced documents: 0136 General requirements (Construction); 0222 Earthwork; 0251 Landscape – soils; 0293 Crib retaining walls; 1392 Trenchless conduit installations.

AS 1742 Manual of uniform traffic control devices

Part 5:2017 Street name and community facility name signs. (\$163.48)

This standard supersedes the 1997 edition. It specifies requirements for the design and use of street name and community facility name signs on all types of roads except expressway type roads.

Referenced documents: 0581 Signs and display; 1192 Signposting.

$AS/NZS\ 1906\ Retroreflective\ materials\ and\ devices\ for\ road\ traffic\ control\ purposes.$

1:2017 Retroreflective sheeting. (\$186.62)

This standard supersedes the 2007 edition. It specifies the performance requirements for retroreflective sheeting used in the manufacture of road signs and related traffic control devices. It does not apply to retroreflective pavement markings.

Referenced documents: 1101 Traffic management; 1192 Signposting; 1194 Non-rigid road safety barrier system.

3:2017 Raised pavement markers (retroreflective and non-retroreflective. (\$155.22)

This standard supersedes the 1992 edition. It specifies performance requirements for permanent and temporary retroreflective and non-retroreflective raised pavement markers, which are to be affixed to the pavement surface for permanent and temporary delineation purposes. Referenced documents: 0277 Pavement ancillaries; 1191 Pavements markings.

AS 1940:2017 The storage and handling of flammable and combustible liquids. (\$281.24)

This standard supersedes the 2004 edition. It provides requirements for the planning, design, construction, and safe operation of all installations in which flammable or combustible liquids are stored or handled. In separate sections it deals with minor storage, package storage and handling, storage in tanks, fuel dispensing, piping and tank auxiliaries, operations and fire protection facilities. Appendices deal with tank venting, combustion

characteristics, fire exposure protection, gas-freeing precautions and principles, and power station and grid transformers.

Referenced documents: 0754 Liquid fuels; 0931 Power generation - engine driven.

AS/NZS 2311:2017 Guide to painting of buildings. (\$253.72)

This standard supersedes the 2009 edition. It provides guidance and recommended good practice for the design, application and maintenance of decorative paint systems for use by the paint industry in the development of painting specifications.

Referenced documents: 0171 General requirements; 0671 Painting; 0672 Textured and membrane coatings; 1192 Signposting; 1193 Guide posts; 1194 Non-rigid road safety barrier systems.

AS/NZS 2589:2017 Gypsum linings – Application and finishing. (\$222.94)

This standard supersedes the 2007 edition. It sets out the requirements for the application and finishing of gypsum linings and related design considerations.

Referenced documents: 0511 Lining; 0520 Partitions – combined; 0522 Partitions - framed and lined; 0532 Suspended ceilings - flush lined; 0533 Suspended ceiling units.

AS 2729-1994 Rolling bearings - Dynamic load ratings and rating life.

This standard has been withdrawn and not replaced.

Referenced document: 0731 Fans.

AS 2946:1991 Suspended ceilings, recessed luminaries and air diffusers - Interface requirements for physical compatibility.

This standard has been withdrawn and not replaced.

Referenced documents: 0531 Suspended ceilings – combined; 0532 Suspended ceilings - flush lined; 0533 Suspended ceilings - ceiling units; 0746 Air grilles; 0748 Chilled beams; 0902 Electrical design and install; 0921 Low voltage power systems; 0951 Lighting.

AS/NZS 3010:2017 Electrical installations - Generating sets. (\$253.72)

This standard supersedes the 2005 edition. It sets out the minimum safety requirements related to the use of generating sets for the supply of electricity at voltages normally exceeding 50 V a.c. or 120 V d.c. Referenced document: 0931 Power generation - engine driven.

AS/NZS 3112:2017 Approval and test specification - Plugs and socketoutlets. (\$204.76)

This standard supersedes the 2011 edition. It specifies essential safety requirements for plugs and socket-outlets intended for use at extra low or low voltages and a rated current not exceeding 32 A for household or similar purposes.

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Referenced documents: 0902 Electrical design and install; 0921 Low voltage power systems; 0951 Lighting.

AS 3335 Building elements - Testing and rating for intruder resistance. Part 1:2003 Intruder-resistant panels.

This standard has been withdrawn and not replaced. Referenced document: 0451 Windows and glazed doors.

AS 3896:2017 Waters – Examination for legionella spp. including Legionella pneumophila. (\$137.16)

This standard supersedes the 2008 edition. It specifies a method for isolating and estimating the number of Legionella pneumophila and a range of other Legionella spp. in water. This method is applicable to all water samples, including recreational, industrial, waste and natural waters. Referenced documents: 0753 Water treatment; 0792 Mechanical

AS 4200 Pliable building membranes and underlays. Part 1:2017 Materials. (\$80.73)

This standard supersedes the 1994 edition. It sets out requirements for materials for use as pliable building membranes (also known as sarking or underlay), when used either independently or as a facing to other materials, such as insulation materials, and as control functions for water, thermal vapour or air control.

Referenced documents: 0471 Insulation and pliable membranes; 0702 Mechanical design and install; 0744 Ductwork insulation; 0752 Mechanical piping insulation; 0823 Cold and heated water.

Part 2:2017 Installation. (\$137.16)

maintenance.

This standard supersedes AS/NZS 4200.2:1994. It sets out requirements for the installation of pliable building membranes (also known as 'sarking' or 'underlay'), when used either independently or as a facing to other materials, such as insulation materials, for water control, thermal control, vapour control or air control, or a combination of these control functions. Referenced documents: 0382 Light timber framing; 0471 Insulation and pliable membranes.

AS/NZS 4441:2017 Oriented PVC (PVC-O) pipes for pressure applications (ISO 16422:2014, MOD). (\$196.54)

This standard supersedes the 2008 edition. It specifies the general aspects of pipes and joints made of oriented unplasticized poly (vinyl chloride) (PVC-O) for piping systems intended to be used underground or above-ground where not exposed to direct sunlight, for water mains and services, for pressurized sewer systems and for irrigation systems.

Referenced documents:0751 Mechanical piping; 0071 Water supply - reticulation (Design); 1341 Water supply - reticulation (Construction); 1361 Sewerage systems - reticulation (Construction).

AS/NZS 4486 Playgrounds and playground equipment. Part 1:1997 Development, installation, inspection, maintenance and operation. This standard is superseded by AS 4485.1:2017. It specifies requirements for the development, installation, inspection, maintenance and operation of playgrounds and playground equipment to ensure a continuing level of function and safety. It also contains requirements for information to be supplied by the manufacturer.

Referenced documents: 0252 Landscape – surfaces; 0262 External sports and playground surfacing; 1475 Playground equipment maintenance.

AS/NZS 4518 Bonded abrasives - Determination and designation of grain size distribution.

Part 1:1997 Macrogrits F4 to F220.

This standard has been withdrawn and not replaced. Referenced document: 0656 Floor sanding and finishing.

AS 4586 Slip resistance classification of new pedestrian surface materials.

Amendment 1:2017. (Free on www.saiglobal/infostore)

This amendment applies to clause 3 Appendix D. Referenced documents: 0012 Waterfront development; 0274 Concrete pavement; 0276 Segmental pavers - sand bed; 0279 Paving - on pedestals, 0282 Pathways and cycleways (Construction), 0315 Concrete finishes; 0319 Auxiliary concrete works; 0612 Cementitious toppings; 0613 Terrazzo in situ; 0631 Ceramic tiling; 0651 Resilient finishes; 0656 Floor sanding and finishing; 0657 Resin based seamless flooring 1145 Segmental paving; NTN DES 001 Slip resistance performance.

AS/NZS 4676:2000 Structural design requirements for utility services poles.

This standard has been withdrawn and not replaced.

Referenced documents NATSPEC: 0911 Cable support and duct systems; Referenced documents AUS-SPEC: 1197 Street and public lighting.

AS 4685 Playground equipment and surfacing.

Part 0:2017 Development, installation, inspection, maintenance and operation. (\$130.23)

This new standard AS/NZS 4486.1:1997. It specifies requirements for the design, development, installation, inspection, maintenance and operation of playgrounds, including playground equipment and surfacing, to ensure a continuing level of functionality and safety.

Referenced documents: 0252 Landscape – surfaces; 0262 External sports and playground surfacing; 1475 Playground equipment maintenance.

AS 4765:2017 Modified PVC (PVC-M) pipes for pressure applications. (\$137.16)

This standard supersedes the 2007 edition. It specifies requirements for pipes, integral joints and post-formed bends of PVC-M for the conveyance of water and wastewater under pressure. The pipes are intended for installation below ground, and above ground where they are not exposed to direct sunlight.

Referenced documents: 0071 Water supply -reticulation and pump stations (Design); 1341 Water - supply reticulation (Construction); 1361 Sewerage systems - reticulation (Construction).

AS 4809:2017 Copper pipe and fittings – Installation and commissioning. (\$137.16)

This standard supersedes the 2003 edition. It specifies requirements for the selection, installation and commissioning of copper plumbing, gas and waste water systems. Some aspects of design are also specified. Referenced documents: 0751 Mechanical piping; 0761 Refrigeration; 0802 Hydraulic design and install; 0823 Cold and heated water; 1341 Water supply - reticulation and pump stations (Construction).

AS 4883:2017 Air valves for sewerage. (\$234.53)

This standard supersedes the 2008 edition. It provides material requirements and performance tests for air valves in wastewater systems, together with default conformance requirements for use by manufacturers and certification bodies.

Referenced documents: 0077 Sewerage systems - pump stations; 1361 Sewerage systems - reticulation (Construction).

AS 4956:2017 Air valves for water supply. (\$137.16)

This standard supersedes the 2008 edition. It specifies requirements for air valves for water systems. This Standard is applicable to valves rated at 600 kPa to 6400 kPa for sizes DN 15 to DN 400.

Referenced document: 1341 Water supply – reticulation (Construction).

AS 5100 Bridge Design.

Part 1:2017 Scope and general principles. (\$336.08)

This standard supersedes the 2004 edition. It provides requirements for the design of new bridges and structures such as retaining structures, deflection walls and crash walls, structures built over rail tracks, culverts, structural components related to tunnels, road sign and lighting structures, noise barriers and protection screens.

Referenced document: 0061 Bridges and related structures.

Part 2:2017 Design loads. (\$466.63)

This standard supersedes the 2004 edition. It provides minimum design loads, forces and load effects for road, rail, pedestrian and cyclist path bridges, and other associated structures.

Referenced document: 0061 Bridges and related structures.

Part 3:2017 Foundation and soil-supporting structures. (\$336.08)

This standard supersedes the 2004 edition. It sets out requirements and procedures for the design in limit states format of foundations and soil-supporting structures for road, rail and pedestrian bridges, culverts not specifically covered by other standards, and subways of conventional size and form. Also covers the design of foundations for road furniture, such as lighting poles, sign support structures and noise barriers.

Referenced document: 0061 Bridges and related structures.

Part 4:2017 Bearings and deck joints. (\$466.63)

This standard supersedes the 2004 edition. It sets out minimum design and performance requirements for bearings and deck joints for the articulation and accommodation of movements of bridge structures. It does not apply to concrete hinges.

Referenced documents: 0316 Precast concrete; 0317 Tilt-up concrete.

Part 5:2017 Concrete. (\$559.37)

This standard supersedes the 2004 edition. It sets out minimum requirements for the design and construction of concrete bridges and associated structures, including members that contain reinforcing steel and tendons, or both, in limit state format.

Referenced documents: 0061 Bridges and related structures; 0301 piling.

Part 6:2017 Steel and composite construction. (\$957.92)

This standard supersedes the 2004 edition. It sets out minimum requirements for the design of the structural steelwork in bridges in limit states format, including wrought and cast iron structures.

Referenced documents: 0061 Bridges and related structures; 0301 piling.

Part 7:2017 Bridge assessment. (\$279.55)

This standard supersedes the 2004 edition. It sets out a rating process for existing bridges to specify their safe capacity for carrying repeated traffic loads for their defined remaining service life.

Part 8:2017 Rehabilitation and strengthening of bridges. (\$506.50)

This new standard sets out requirements and procedures for the repair or rehabilitation, extension of remaining service life, strengthening to restore capacity due to structural deterioration, strengthening to increase capacity for live load, and changing the function of and widening of existing bridges.

Part 9:2017 Bridge design timber. (\$433.85)

This new standard sets out requirements for the design and construction of timber bridges and associated structures, including members that contain steel connections. Also includes requirements for the design of stress-laminated timber (SLT) decks for bridges.

AS 5181:2017 Use and installation of turf as an erosion, nutrient and sediment control measure. (\$130.23)

This new standard provides requirements for the use and installation of turf as an erosion, nutrient and sediment control measure, and guidance on turf species selection and disposal.

Referenced documents: 0252 Landscape – natural grass surfaces.

AS/NZS 60079 Explosive atmospheres. (\$21.42)

Part 10.1:2017 Classification of areas – Explosive gas atmospheres (IEC 60079-10-1, Ed.1.0 (2008) MOD) Ruling 1 to AS/NZS 60079.10.1).

This standard supersedes the 2009 edition. It covers classification of areas where flammable gas or vapour or mist hazard may arise and may then be used as a basis to support the proper selection and installation of equipment for use in a hazardous area.

Referenced document: 0741 Ductwork.

SAA HB 49 Sporting facilities manual.

Part 1:1993 Sports lighting.

This handbook has been withdrawn and not replaced. Referenced worksection: *1474 Lighting maintenance*.